

H 5072-
5108.

D 5768-
5778.

H 5072
5108

D 5768
778

11-1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M. DOWN.		UP.	M.		M. DOWN.		UP.	M.
				0	2	1500	2	2400
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Hy
5872 1 3/4 fms

Dredge } No. 5769-a Date, Apr. 15, 1912
Hydrog. }
Sdg. Mch. Hand lead Reel Shot 14 lbs.
Lead 14
Turns Cor'n Depth 3 1/2 fms.

Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {
 { Time {

Density: Surf. fms.

Wind: Direction Force 2

Baromet. Amt. of Clouds 2 State of Sea 2

Weather bc

Direction and Force of Current { Surface
 { Bottom

Tide Flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used Mud bag from cutter
in tow of large motor boat.

Time towing h. 5 m.

Remarks:

Deck Officer Mr. Posters in charge Recorder O. D. Long
11-1024

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	9	45	00
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

76yd
5072 B 3 fath

Dredge } No. 5769-b Date, Apr 15, 1912
Hydrog. }

Sdg. Mch. Hand lead Reel Shot Lead 14 lbs.

Turns Cor'n Depth 3 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air { Time

Density: Surf. fms.

Wind: Direction Force 2

Baromet. Amt. of Clouds 2 State of Sea

Weather bc

Direction and Force of Current { Surface Bottom

Tide flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 4' Tanner frame cutter in tow of large motor boat.

Time towing h. m.

Remarks:

Deck Officer St. Portusfield Recorder C. B. Long in charge

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	9 55 00	10 51 45	
			100		42 45	
			200			
16yd			300			
5072 ^A			400			
344 fath.			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5470-a Date, Apr 15, 1912
Hydrog. }
Sdg. Mch. Hand lead Reel Shot Lead 14 lbs.
Turns Cor'n Depth 5 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {
 { Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds 5 State of Sea

Weather bc

Direction and Force of Current { Surface
 { Bottom

Tide ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used mud bag from cutter
instead of large Calumet

Time towing h. m.

Remarks:

Deck Officer Mr. Porterfield Recorder C. E. Long
in charge

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. L.M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

10 27 00 11 06 00

1

Dredge } No. *770-B* Date, *Oct 10*, 19
Hydrog. }
Sdg. Mch. _____ Reel _____ Shot Lead } *14* lbs.
Turns _____ Cor'n _____ Depth *7 1/2* fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time _____ } Air { _____
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction _____ Force *1*

Baromet. _____ Amt. of Clouds *2* State of Sea *X*

Weather *bc*

Direction and Force of Current { Surface _____
 { Bottom _____

Tide *ebb*

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul *bottom*

Apparatus and Rig used *4' beam trawl with
1' tow rope and 1' lead*

Time towing _____ h. _____ m.

Remarks: *Dragged at 11⁰⁰ and returned
to ship at 11¹⁵ in
dark.*

Deck Officer *W. H. Brown* Recorder *W. H. Brown*

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

a M. Down. | Up. | a M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 577 Date, _____, 1912
Hydraulic }
Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.
Turns _____ Cor'n _____ Depth 3 1/4 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time _____ } Air { _____
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 0 - 1

Baromet. _____ Amt. of Clouds _____ State of Sea _____

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul 12 fathoms

Apparatus and Rig used 1' Tanner beam
trawl towed by
long rope.

Time towing _____ h. _____ m.

Remarks: Towed from
to 3 feet deep by beam
12 fathoms down rope.

Deck Officer _____ Recorder _____

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

1 09 00 2 03 00

*Hydro.**5074 E 2 feet*

Dredge } No. 57713 Date, Jan 15, 1911
Hydrog. }
Sdg. Mch. Hand lead Reel Shot 4 lbs.
Lead }
Turns _____ Cor'n _____ Depth 3 fms.
Sdg. Cup Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time _____ } Air { _____
 { Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 0 - 1

Baromet. _____ Amt. of Clouds 9 State of Sea S

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used mus bog towed

Time towing h. 2 m.

Remarks: Sample of mud

3 feet to 2 1/2 fms.

Deck Officer _____ Recorder H. W. Gibbs

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down.

Up.

M.

M. Down.

Up.

M.

0

2

13

30

2

40

00

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Depth 3 fms

Dredge } No. 117 Date, Oct 1, 1911
Hydrog. }
Sdg. Mch. Reel Shot Lead 15 lbs.
Turns Cor'n Depth 14 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {
 { Time

Density: Surf. fms.

Wind: Direction Force 0-1

Baromet. Amt. of Clouds 9 State of Sea S

Weather

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used

Time towing h. m.

Remarks:

14 fms 4 4 fms

Deck Officer Recorder

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0

2 57 00 3 06 30

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

551. R 1 2 fms

Dredge } No. 47 Date, , 19 12
Hydrog. }

Sdg. Mch. Reel Shot Lead lbs.

Turns Cor'n Depth 11 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air { Time

Density: Surf. fms.

Wind: Direction Force 0-1

Baromet. Amt. of Clouds 8 State of Sea S

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 4' beam trawl

Remarks: Towed along beach

Time towing 1 1/2 h. 0 1/2 m.

Remarks: Towed along beach

Remarks: Towed along beach

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	3	1000	3 30 30
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

100 fms
3000 / 10 fms

Dredge } No. 5477501 Date, June 1, 1911
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot & Lead _____ lbs.

Turns _____ Cor'n _____ Depth 5 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time _____ } Air { _____
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 5

Baromet. _____ Amt. of Clouds 1 State of Sea 5

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used 10' Tanner towed
beam trawl

Time towing 14 h. _____ m.

Remarks: _____

SOUNDING WIRE.

--- M. Down. | Up. | --- M.

FMS.

DREDGING CABLE.

1/2 --- M. Down. | Up. | 1/2 --- M.

0

3 | 55 | 00 | 4 | 09 | 30

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

50 | 76 | 32 | 3 1/2 fms.

Dredge } No. 3773 Date, Oct 1, 1911
Hydrog. }

Sdg. Mch. Hand lead Reel Shot Lead lbs.

Turns Cor'n Depth 2 1/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No.

Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction

Force

0 - 1

Baromet. Amt. of Clouds 4 State of Sea S

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul 300 m

Apparatus and Rig used

from stem of cutter by
Horse motor

Time towing h. 2 m.

Remarks: Soundings made

Deck Officer Recorder

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0

4 | 13 | 00 | 4 | 20 | 30

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

50 | 76 | 11 | 13 | 1 | fms

Dredge } No. 5474 Date, Dec 16, 1912

Sdg. Mch. Hydrog. Reel Shot/Lead 14 lbs.

Turns Cor'n Depth 4 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom T.G.

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air { Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide F low

General Locality G.G.

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used Mud bag from center

Time towing h. 16 m.

Remarks: From line 14 ft. buoy along the beach outward to anchorage - 4 1/2 - 4 3/4 fms.

Deck Officer Recorder 11-1023

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

320 0

100

5 200

300

8 400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

9 25 00 9 45 00

9 50 00 9 53 00

9 57 00 10 00 00

5377 B

4 1/4

Dredge } No. 774 Date, May 16, 1912

Hydrog. } Sdg. Mch. Huston Reel Shot/Lead 14 lbs.

Turns Cor'n Depth 4 7/8 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide Flood

General Locality 98

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used 4' Tanner beam trawl

Time towing 16 m.

Remarks: Towing over sand ground.

Deck Officer T. F. Probst Recorder T. M. D.

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

12 m

0

207 35 10 17 10

100

10 21 00 10 25 00

4 m

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

477 2 17 10
477 2 17 10

Dredge } No. 57 Date, Aug 16, 1911
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.

Turns _____ Cor'n _____ Depth 75 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom G _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time _____ } Air { _____
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

Baromet. _____ Amt. of Clouds _____ State of Sea _____

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used Mud bag from cutter

Time towing _____ h. 7 m.

Remarks: From half - 10 fms. to 7 fms. - dredged along beach to Yellow Bluff - 4 fms.

Deck Officer H. F. Field Recorder Amid
Chas. B. S. 11-1023

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

4 min 0

10 45 32 10 45 32

100

3 1 200

10 50 00 10 50 00

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Aug 5 1882
14 fms.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		A M. Down.	Up.	A M.
			0	10 55 00	11 00 00	
			100			
2			200	11 01 30	11 02 30	
			300			
3			400	11 05 00	11 07 00	
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
Key B-07-8A			2000			
			2100			
7 fms			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 577 Date, July 17, 1912

Sdg. Mch. Reel Shot/Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds 0 State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 100 yd. from bottom in tow of large motor

Time towing h. 16 m.

Remarks: Towed along beach to m

Deck Officer J. P. Recorder

in charge of boat

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	280.0	11.00	
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

460 53770

30 feet

Dredge } No. 5476-1 Date, 19

Hydrog. }
Sdg. Mch. Reel Shot Lead 14 lbs.

Turns Cor'n Depth 372 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds 0 State of Sea 22

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 4' Tanner beam

trawl in two large motor

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

Q M. Down. | Up. | Q M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

10 10 00 10 30 00

Hyl 3 1/2 fath

Dredge } No. 377-9 Date, Apr. 17, 1912
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot/Lead } 14 lbs.

Turns _____ Cor'n _____ Depth 3 1/2 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time _____ } Air {
 { Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 1

Baromet. _____ Amt. of Clouds 0 State of Sea S

Weather S

Direction and Force { Surface _____
of Current. { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used Mud bag, 5 ft. Cotton
in tow of 10 ft. rope, 10 ft. net

Time towing h. m.

Remarks: _____

Deck Officer _____ Recorder C. E. R.

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

M. Down. | Up. | M.

0

10 44 00 | 10 47 30

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Hyd 3-100
2 20 fath

Dredge } No. 5477 Date, April 17, 1912
Hydrog. }

Sdg. Mch. Hand Lead Reel Shot Lead 14 lbs.

Turns _____ Cor'n _____ Depth 2 3/4 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time _____ } Air { _____
 { _____ Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 1

Baromet. _____ Amt. of Clouds 0 State of Sea 2

Weather 2

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used 4' Tannet from cutter
in tow of large motor boat

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer W. B. ... Recorder B. B. ...

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0

1035 00 1035 00

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Hyd. 57117
 572 57117

Dredge } No. 5478 Date, Aug. 17, 1912
Hydrog. }

Sdg. Mch. Hand lead Shot/Lead 14 lbs.

Turns Cor'n Depth 2 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {
 Time

Density: Surf. fms.

Wind: Direction Force 1

Baromet. Amt. of Clouds 0 State of Sea S

Weather S

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used Towed bag for bottom
in tow of large motor boat.

Time towing h. 16 m.

Remarks: Towed along South Line
2 1/2 m. S.W.

Deck Officer Lt. Porter Recorder A. B. G. S. 11-10-12
In charge of boat.

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
M. Down.	Up.	M.		M. Down.	Up.	M.	
			0	11	00	00	11 16 00
			100				
			200				
			300				
			400				
			500				
			600				
			700				
			800				
			900				
			1000				
			1100				
			1200				
			1300				
			1400				
			1500				
			1600				
			1700				
			1800				
			1900				
			2000				
			2100				
			2200				
			2300				
			2400				
			2500				
			2600				
			2700				
			2800				
			2900				
			3000				
			3100				
			3200				
			3300				
			3400				
			3500				
			3600				
			3700				
			3800				
			3900				
			4000				
			4100				
			4200				
			4300				
			4400				
			4500				
			4600				
			4700				
			4800				
			4900				

Hyd 5000
2 1/2 1/4

Dredge } No. 5475 Date, April 17, 1917
Hydrog. }

Sdg. Mch. Hand Reel Shot 14 lbs.
Lead

Turns Cor'n Depth 2 1/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air
Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds 0 State of Sea 2

Weather B

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 4' Tanner beam trawl in small motor boat

Time towing h. 2 1/2 m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0

11 18 00 11 42 30

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Hyd

2 1/2 fath

Bridge } No. 111, Date, Jan 1, 1901

Sdg. Mch. Hand Pump Reel 1 Shot Lead lbs.

Turns Cor'n Depth fms.

<i>Sdg. Cup</i>	<i>Amt. Bot'm Sample</i>
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Character of Bottom

Thermom. { Make ----- Cor'n { Instr.
 { No. ----- { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf.	Time	Air
	Time	

Density: Surf. fms.

Wind: Direction Strong Force 1

Baromet. 30.34 Amt. of Clouds 9 State of Sea S

Weather

Direction and Force of Current. } Surface
} Bottom

Tidee

General Locality

Position

Chart used: No. 1 Ed'n

<i>Drift:</i>	<i>Direction</i>	N NE E SE S SW W NW N	<i>Distance</i>
---------------	------------------	---	-----------------

Depth of Haul

Apparatus and Rig used - 40

Time towing h. m.

Remarks:

Thermomete, broken.

Deek Officer (W. J. O.) Recorder

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
M. Down.	Up.		M. Down.	Up.	M.
0	12	0			
1		100			
2		200			
3		300			
4		400			
5		500			
6		600			
7		700			
8		800			
9		900			
10		1000			
11		1100			
12		1200			
13		1300			
14		1400			
15		1500			
16		1600			
17		1700			
18		1800			
19		1900			
20		2000			
21		2100			
22		2200			
23		2300			
24		2400			
25		2500			
26		2600			
27		2700			
28		2800			
29		2900			
30		3000			
31		3100			
32		3200			
33		3300			
34		3400			
35		3500			
36		3600			
37		3700			
38		3800			
39		3900			
40		4000			
41		4100			
42		4200			
43		4300			
44		4400			
45		4500			
46		4600			
47		4700			
48		4800			
49		4900			

Dredge } No. _____ Date, _____, 19____
 Hydrog. }
 Sdg. Mch. Turco Reel _____ Shot }
 Lead } 14 lbs.
 Turns _____ Cor'n _____ Depth 1 fms.
 Sdg. Cup _____ Amt. Bot'm Sample _____
 Character of Bottom _____
 Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
 Bottom Reading 1.54 1154.2 Cor'd Temp. 53.96
 Temp. Surf. { _____ Time _____ } Air { _____
 { 55.73 Time _____ }
 Density: Surf. _____ fms. _____
 Wind: Direction S. E. Force 0-1
 Baromet. 30.31 Amt. of Clouds 10 State of Sea S
 Weather 1
 Direction and Force of Current { Surface 67
 { Bottom _____
 Tide _____
 General Locality _____
 Position _____
 Chart used: No. _____ Ed'n _____
 Drift: Direction _____ Distance _____
 Depth of Haul Inter.
 Apparatus and Rig used 11 Inter.
 Time towing _____ h. _____ m.
 Remarks: _____

Deck Officer _____ Recorder _____
11-1023

SOUNDING WIRE.

M. Down. Up. M.

11	24	50	11	35	20
11	25	00	11	35	00

FMS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

DREDGING CABLE.

M. Down. Up. M.

12	30	00
----	----	----

Dredge } No. 5244 Date, Feb 23, 1912
Hydrog. }

Sdg. Mch. Lucas Reel Shot 14 lbs.
Lead

Turns Cor'n Depth 6 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading 2.5.9 1.5.6 Cor'd Temp. 55.7

Temp. Surf. { 56.5 Time 1:13:30 Air { 62
Time

Density: Surf. fms.

Wind: Direction SSE Force 2

Baromet. 30.26 Amt. of Clouds 9 State of Sea S

Weather bc

Direction and Force of Current { Surface 21 km 30 su.
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Inter.

Apparatus and Rig used 11' 2' 7'

Time towing h. 10 m.

Remarks:

Deck Officer W. C. Gray Recorder

SOUNDING WIRE.				FMS.	DREDGING CABLE.						
<i>C</i> M. DOWN.	UP.	<i>P</i> M.			<i>P</i> M. DOWN.	UP.	<i>P</i> M.				
1	05	00	1	13	00	1	05	-	1	13	5
					100						
					200						
					300						
					400						
					500						
					600						
					700						
					800						
					900						
					1000						
					1100						
					1200						
					1300						
					1400						
					1500						
					1600						
					1700						
					1800						
					1900						
					2000						
					2100						
					2200						
					2300						
					2400						
					2500						
					2600						
					2700						
					2800						
					2900						
					3000						
					3100						
					3200						
					3300						
					3400						
					3500						
					3600						
					3700						
					3800						
					3900						
					4000						
					4100						
					4200						
					4300						
					4400						
					4500						
					4600						
					4700						
					4800						
					4900						

Bridge } No. 5085 Date, Sept. 7 1912
Hydros. }

Stdg. Mch.	Reel	Shot Lead	16	lbs.
------------	------	--------------	----	------

Turns _____ Cor'n _____ Depth 4 fms

Sdg. Cup	Amt. Bot'm Sample
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Character of Bottom

Thermom. { Make ----- Cor'n { Instr. -----
 { No. ----- { Stem. -----

Bottom Reading $L: 7.7$ $T: 5.5$ Cor'd Temp. 5.5

Temp. Surf. { 56.5 Time 12.50 } Air { 60
Time

Density: Surf. _____ fms. _____

Wind: Direction SW Force 3

Baromet. 30.26 Amt. of Clouds 0 State of Sea 0

Weather *bc*

Direction and Force { Surface 1720 S 30 E
of Current. { Bottom _____

Tide 0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000

General Locality

Position

Chart used: No. Ed'n

Drift: Direction *Distance*

Depth of Haul 125 fms.

Apparatus and Rig used

Time towing h. / 0 m.

Remarks:

Deck Officer W. D. ... Recorder W. D. ...

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	P. M.		M. Down.	Up.	P. M.
1 4500	1 5530		0	1 45	-	1 55 -
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

11-1023

SOUNDING WIRE.

Ⓟ M. DOWN. | UP. | Ⓟ M.
 2 20 20 2 40 40

FMS.

DREDGING CABLE.

Ⓟ M. DOWN. | UP. | Ⓟ M.

2 20 - 2 40 -

0
 100
 200
 300
 400
 500
 600
 700
 800
 900
 1000
 1100
 1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400
 2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000
 4100
 4200
 4300
 4400
 4500
 4600
 4700
 4800
 4900

Hydrog. No. 5087

Date, Feb 22, 1917

Sdg. Mch. Lucas

Reel L

Shot Lead 14 lbs.

Turns Cor'n

Depth 9 3/4 fms.

Sdg. Cup

Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No.

Cor'n { Instr. Stem.

Bottom Reading 2.5

7.2.1 Cor'd Temp. 50.1

Temp. Surf. { 56.2 56.03

Time 3:07 } Air { 52

Density: Surf. fms.

Wind: Direction SW

Force 3

Baromet. 30.74

Amt. of Clouds

State of Sea

Weather bc

Direction and Force of Current { Surface 12 rev. to 30 sec. Bottom

Tide Flood

General Locality

Position

Chart used: No.

Ed'n

Drift: Direction Distance

Depth of Haul Inter.

Apparatus and Rig used 4' Inter. & 2 Kobs

Time towing h. 2 m.

Remarks: Towed 11 min. after dark. was up; 10 min. while made.

Deck Officer Mr. Clancy

Recorder [Signature]

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
2 55 10	3 05	20	0	2 55	3 10	-
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Underg. } No. 288 Date, Sep. 12, 1912
Hydrog. }
Sdg. Mch. Lucas Reel Shot/Lead 14 lbs.
Turns Cor'n Depth 12 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading 356 R. Sec. / Cor'd Temp. 55.91

Temp. Surf. { 56.5 Time 3:30 } Air { 56
 { 56.23 Time {

Density: Surf. fms.

Wind: Direction SW Force 2-3

Baromet. 30.2 Amt. of Clouds 0 State of Sea S

Weather B

Direction and Force of Current { Surface 14-15 vers. E 30 sec.
 { Bottom

Tide Low

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used 4' beam trawl

Time towing h. 9 m.

Remarks:

Deck Officer Mr. Chan Recorder J. T. H. 7

SOUNDING WIRE.

P M. DOWN. | UP. | *P* M.

3 1/2 30 2 36 30

FMS.

DREDGING CABLE.

P M. DOWN. | UP. | *P* M.

3 36 - 3 45 00

0
100
200
300
400
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600
700
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900
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1400
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3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

~~Hydrog.~~ No. 3089 Date, Dec 1, 19
Sdg. Mch. Lucas Reel Shot Lead 1 lbs.
Turns Cor'n Depth 10 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make # L. N. Z. 1019 Cor'n { Instr.
No. { R. N. Z. 1023 Stem.
Bottom Reading L. 53° R. 53° Cor'd Temp.
Temp. Surf. { Time } Air { 54°
Time

Density: Surf. fms.
Wind: Direction S.W. Force 1
Baromet. Amt. of Clouds 6 State of Sea X
Weather bc

Direction and Force of Current { Surface 4.3 sec. m. 3.0 sec.
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. 1 m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.						FMS.	DREDGING CABLE.							
A. M. Down.			Up.		S. M.		M. Down.			Up.		S. M.		
10	03	10	10	13	00	0	10	02	00	10	16	00		
10	03	20	10	13	20	100								
						200								
						300								
						400								
						500								
						600								
						700								
						800								
						900								
						1000								
						1100								
						1200								
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						4000								
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						4200								
						4300								
						4400								
						4500								
						4600								
						4700								
						4800								
						4900								

Dredge } No. 1000 Date, 10/10/1911

Hydrog. } Sdg. Mch. Lucas Reel Shot/Lead lbs.

Turns Cor'n Depth 9 3/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom M.

Thermom. { Make { 1007 { Instr. {
 { No. { 1007 { Cor'n {
 { 1007 { Stem. {

Bottom Reading Cor'd Temp. 53.71

(1007) { 54.79 } Time {
Temp. Surf. { 54.79 } Time { Air {

Density: Surf. fms.

Wind: Direction S.W. Force 2

Baromet. 30.18 Amt. of Clouds 6 State of Sea 2

Weather bc

Direction and Force of Current { Surface 4.2 Km. {
 { Bottom {

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul Inter.

Apparatus and Rig used 4' 4" beam trawl
Kofids, 1 meter

Time towing h. 11' m.

Remarks: 1007

Deck Officer Recorder

SOUNDING WIRE.

FMS.

M. Down. | Up. | M. M.

10 17 10-10 80 50

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DREDGING CABLE.

M. Down. | Up. | M. M.

10 17 10-10 80 50

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Dredge } No. 5-11 Date, Oct 26, 1912

Hydrog. }
Sdg. Mch. Lucas Reel Shot Lead lbs.

Turns Cor'n Depth 8 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make 7.2 1023 Cor'n { Instr. No. 1023 Stem.

Bottom Reading

Cor'd Temp. 54.21

(560)

Time 11.22

Temp. Surf.

Time

Air

Density: Surf.

fms.

Wind: Direction S.W.

Force 4

Baromet. 30.18

Amt. of Clouds 3

State of Sea 2

Weather

Direction and Force of Current

Surface 4.9 mi. to 30 sec Bottom

Tide

General Locality

Position

Chart used: No.

Ed'n

Drift: Direction 2.00 Distance

Depth of Haul 1000

Apparatus and Rig used 4 bladders, 2 K. of wire,

Time towing h. 11 1/2 m.

Remarks: Echinus murex

Deck Officer

Recorder

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.			Up.		
11	16	00	11	26	30	0	11	16	00	11	27	30
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
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						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
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						4900						

Dredge Hydrog. No. 555 Date, Oct 26, 19

Sdg. Mch. Lucas Reel Shot/Lead 24 lbs.

Turns Cor'n Depth 6 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make L. 712 #1019 Cor'n { Instr. No. R. 712 #1023 Stem.

Bottom Reading 560 Cor'd Temp. 55.56

Temp. Surf. { 56.0 Time 11:59 Air { 56.0

Density: Surf. fms.

Wind: Direction Force 1-2

Baromet. 30.7 Amt. of Clouds 4 State of Sea

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul 4' fms.

Apparatus and Rig used 4' fms.

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.				FMS.	DREDGING CABLE.						
M. Down.	Up.	A.M.			M. Down.	Up.	M.				
11	47	10	11	57	15	11	47	00	11	57	00
					0						
					100						
					200						
					300						
					400						
					500						
					600						
					700						
					800						
					900						
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					1100						
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					2900						
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					4000						
					4100						
					4200						
					4300						
					4400						
					4500						
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					4700						
					4800						
					4900						

Trawl { No. 13 Date, Dec 2, 1912

Sdg. Mch. Reel Shot/Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. 1014 Cor'n { Instr. Stem.

Bottom Reading 2.57.1 R 57 Cor'd Temp. 54.36

Temp. Surf. { 56° Time 1:02 P. } Air { 57°

Density: Surf. fms.

Wind: Direction N. Force 2-3

Baromet. 30.16 Amt. of Clouds 4 State of Sea C

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul 10 fms.

Apparatus and Rig used 4 fms.

Time towing h. 10 m.

Remarks: Clear on water

Deck Officer Recorder

SOUNDING WIRE.					FMS.	DREDGING CABLE.		
M. Down.		Up.	M.			M. Down.	Up.	M.
12	52	00	1	02	00	0		
						100		
						200		
						300		
						400		
						500		
						600		
						700		
						800		
						900		
						1000		
						1100		
						1200		
						1300		
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						2900		
						3000		
						3100		
						3200		
						3300		
						3400		
						3500		
						3600		
						3700		
						3800		
						3900		
						4000		
						4100		
						4200		
						4300		
						4400		
						4500		
						4600		
						4700		
						4800		
						4900		

Dredge } No. 511 Date, Feb 26, 1912
Hydrog. }
Sdg. Mch. Reel Shot/Lead 14 lbs.
Turns Cor'n Depth 4 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make No. 2 H 1025 Cor'n { Instr. Stem.
Bottom Reading 5137' Cor'd Temp. 57.01
Temp. Surf. { 57.8 Time 1:28 P } Air { 56
57.5 Time

Density: Surf. fms.
Wind: Direction Force 3
Baromet. 30.16 Amt. of Clouds 3 State of Sea C
Weather

Direction and Force of Current { Surface 30-31-32 W
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Underway Distance

Depth of Haul

Apparatus and Rig used 4' Inter. 1 sinker

Time towing h. 10 m.

Remarks: 1st net in water 10:00

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
1	17	30	1	27	30	
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 613 Date, June 26, 1912
Hydrog. }

Sdg. Mch. Lucas Reel Shot/Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading 57.2 Cor'd Temp. 57.0

Temp. Surf. { 57.5 Time 1:10 P { Air { 56.0
Time

Density: Surf. fms.

Wind: Direction Force 3

Baromet. 30.16 Amt. of Clouds 3 State of Sea C

Weather

Direction and Force of Current { Surface 3.4
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. 1 D. m.

Remarks:

Deck Officer

Recorder

11-1023

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down.	Up.	M.
----------	-----	----

M. Down.	Up.	M.
----------	-----	----

1	40	30	1	50	30
---	----	----	---	----	----

0
100
200
300
400
500
600
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800
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3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Bredge } No. 5096 Date, Apr 26, 1912
Hydrog. }

Sdg. Mch. Reel Shot/Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. 241019 Cor'n { Instr. No. 241023 Stem.

Bottom Reading 1.5 1.3 1.2 1.7 Cor'd Temp. 57.4

Temp. Surf. { 57.8 Time 2:20 P } Air { 56 }
Time

Density: Surf. fms.

Wind: Direction N. E. Force 3

Baromet. 30.17 Amt. of Clouds 3 State of Sea C

Weather

Direction and Force of Current { Surface 33-35-36-34 Revs. 30 sec. Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Underway Distance

Depth of Haul 100

Apparatus and Rig used 1' Trawl 1 anchor

Time towing h. 10 m.

Remarks: 1' Trawl 1 anchor

Deck Officer Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

2 10 00 2 20 00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5097 Date, June 22, 1910

Sdg. Mch. Lucas Reel Lucas Shot/Lead 2 1/2 lbs.

Turns _____ Cor'n _____ Depth 8 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make L. T. 3: #1017 Cor'n { Instr. _____
No. R. T. 3: #1023 Stem. _____

Bottom Reading L. 52° R. 5-1.7° Cor'd Temp. 51°

Temp. Surf. { 52.0° Time 1:10 } Air { 56°
52.03 Time _____

Density: Surf. _____ fms.

Wind: Direction S.W. Force 4-5

Baromet. 30.24 Amt. of Clouds 5 State of Sea 2

Weather bc

Direction and Force of Current { Surface 11 miles per hour, S.W.
Bottom _____

Tide _____



General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul 200 fms.

Apparatus and Rig used 4' Intermediate, 2' light
trawl.

Time towing h. 14 m.

Remarks: Lagoon water not used.
Had net out twice - time of
first net worked as no specimens
were caught. That made weight
on second trial.

Bottom too hard to obtain
sample.

Deck Officer _____ Recorder C. E. _____

C

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P. M. Down.	Up.	P. M.		P. M. Down.	Up.	P. M.
125-220	1	19 20	0	115-00	1	29 30
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
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			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5095 Date, July 27, 1912

Sdg. Mch. Lucas Reel Lucas Shot/Lead 24 lbs.

Turns _____ Cor'n _____ Depth 22 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
No. 8171 1019 Stem _____

Bottom Reading 52.5 Cor'd Temp. 51.3

Temp. Surf. { 53.5 Time 2:50 } Air { 66
53.23 Time _____

Density: Surf. _____ fms. _____

Wind: Direction S. S. W. Force 4-5

Baromet. 30.02 Amt. of Clouds 7 State of Sea _____

Weather bc

Direction and Force of Current { Surface 1.7 sec. 30 sec.
Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction Anchored Distance _____

Depth of Haul Inter.

Apparatus and Rig used _____

Time towing h. 16 m.

Remarks: E. water

Bottom to surface same
sample

Deck Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P. M. Down.	Up.	P. M.		P. M. Down.	Up.	P. M.
1 45 00	15 20		0	1 45 00	2 04 00	
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
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			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Tideg. } No. 5077 Date, *April 9*, 19*12*

Sdg. Mch. *Lucas* Reel *Lucas* Shot } 27 lbs.
Lead }

Turns ----- Cor'n ----- Depth *16* fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make *S. 2* Cor'n { Instr. -----
No. *1019* Stem. -----
1023

Bottom Reading *3-2-1* Cor'd Temp. *52.1*

Temp. Surf. { *54.0* Time *2:26* } Air { *55.0*
Time ----- }

Density: Surf. ----- fms. -----

Wind: Direction *S. S. W.* Force *4-5*

Baromet. *30.03* Amt. of Clouds *8* State of Sea *S*

Weather *S*

Direction and Force of Current. { Surface *41 to 42* Sec. *1.30*
Bottom ----- }

Tide -----

General Locality

Position

Chart used: No. ----- Ed'n -----

Drift: Direction *Drifted* Distance -----

Depth of Haul *Inter*

Apparatus and Rig used *4 Ropes, 2 Kelpins, 1 sinker.*

Time towing ----- h. *1.0* m.

Remarks: *Bottom for 16 fms. sample*

Deck Officer *For* Recorder *Chelongs*

SOUNDING WIRE.

Q M. Down. Up. Q M.

2 15 20 2 26 00

FMS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

DREDGING CABLE.

Q M. Down. Up. Q M.

2 17 20 2 27 00

Hydrog. No. 57100 Date, Oct 27, 1912

Sdg. Mch. Lucas Reel Lucas Shot Lead 2 1/2 lbs.

Turns Cor'n Depth 6 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Z.N.Z. #1019 Cor'n { Instr. No. R: N.Z. #1023 Stem. L. 5.3° R 5.3°

Bottom Reading Cor'd Temp. 52.86

Temp. Surf. { 54.5° Time { Air { 54°

Density: Surf. fms.

Wind: Direction S.W. Force 4-5

Baromet. 32.24 Amt. of Clouds 9 State of Sea S.

Weather bczz

Direction and Force of Current { Surface 38 and 39 rev. to 30 sec. Bottom 3.73 rev. 49 to 31 sec.

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul 21 fms.

Apparatus and Rig used 4' Dredge, 2 1/2' Lucas

Time towing h. 22 m.

Remarks: Ecken

Deck Officer J. L. Lacey Recorder G. B. Lacey

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>P</i> M. Down.	Up.	<i>P</i> M.		<i>P</i> M. Down.	Up.	<i>P</i> M.
2	39	30	2	50	00	
			0	2	40	00
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
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			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5721 Date, Oct 16 1912
Hydrog. }

Sdg. Mch. Lucas Reel Lucas Shot Lead 24 lbs.

Turns ----- Cor'n ----- Depth 9 3/4 fms.

Sdg. Cup ----- Amt. Bot'm Sample -----

Character of Bottom -----

Thermom. { Make L: N.Z. #1023 Cor'n { Instr. -----
 { No. R: N.Z. #1023 { Stem. -----

Bottom Reading L 53° R. 52.9° Cor'd Temp. 51.2

Temp. Surf. { 54.0° Time 3:45 } Air { 54.0°
 { 54.0° Time ----- } { -----

Density: Surf. ----- fms. -----

Wind: Direction S.W. Force 3-4

Baromet. 30.05 Amt. of Clouds 8 State of Sea 2

Weather b, c, f

Direction and Force of Current { Surface 3-2 rev to 30 sec.
 { Bottom -----

Tide -----

General Locality -----

Position -----

Chart used: No. ----- Ed'n -----

Drift: Direction ----- Distance -----

Depth of Haul Inter

Apparatus and Rig used 4' Inter, 2 Reels,
1 sinker

Time towing ----- h. ----- m.

Remarks: Common - 40 ft. - 20 ft.

Deck Officer Mr. Curney, Recorder C. E. Curney,
11-1023

SOUNDING WIRE.					FMS.	DREDGING CABLE.				
<i>Z</i> M. Down.		Up.	<i>Z</i> M.			<i>Z</i> M. Down.		Up.	<i>Z</i> M.	
3	31	20	3	42 00	0	3	32	00	3	44 00
					100					
					200					
					300					
					400					
					500					
					600					
					700					
					800					
					900					
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					3200					
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					4800					
					4900					

Dredge } No. 1019 Date, Apr 29, 1917
Hydrog. }

Sdg. Mch. Lucas Reel Shot Lead 24 lbs.

Turns Cor'n Depth 6 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Z: N3 1019 { Instr. No. N: 1023 { Cor'n Stem.

Bottom Reading 52/ N: 52.9 Cor'd Temp. 53.0

Temp. Surf. { 55.1 Time 4:10 } Air { 57.0 } Time

Density: Surf. fms.

Wind: Direction SW Force 3-✓

Baromet. 30.04 Amt. of Clouds 9 State of Sea S

Weather b

Direction and Force of Current { Surface 1 mi 30 mi Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Inter.

Apparatus and Rig used 4' Inter. & 1' 1/2' 1' 1/2'

Time towing h. 12 m.

Remarks: 1 specimen of ...

Deck Officer Recorder Arntail -

SOUNDING WIRE.

FMS.

M. Down. | Up. | M.

4 00 00 | 4 10 -

DREDGING CABLE.

M. Down. | Up. | M.

4 10 - | 4 12 -

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Dredge } No. _____ Date, Oct. 29, 1907
Hydrog. }

Sdg. Mch. Lucas Reel L. Shot 20 lbs.
Lead

Turns _____ Cor'n _____ Depth 6 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make L. N3 1019 Cor'n { Instr. _____
No. R. 1023 Stem. _____

Bottom Reading L. 54.2 7.7.2 Cor'd Temp. 54.2

Temp. Surf. { 55.8 Time 4:21 P. } Air { 54.8
Time _____

Density: Surf. _____ fms. _____

Wind: Direction SW Force 3-4

Baromet. 30.04 Amt. of Clouds 0 State of Sea S

Weather Do.

Direction and Force of Current { Surface 53 rev. 2 30 sec
Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Int.

Apparatus and Rig used Lucas 2' net.

Time towing _____ h. 12 m.

Remarks: Eel, small fish, etc.

Deck Officer W. C. Cherry Recorder W. C. Cherry

SOUNDING WIRE.

P M. DOWN.			UP. P M.		
4	25	40	4	35	46

FMS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
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3100
3200
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3600
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3800
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4100
4200
4300
4400
4500
4600
4700
4800
4900

DREDGING CABLE.

P M. DOWN.			UP. P M.		
4	25	-	4	37	

Hydrog. } No. 100 Date, July 20, 1912
Sdg. Mch. Lucas Reel Shot/Lead 20 lbs.
Turns --- Cor'n Depth 7 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make W.B. Cor'n { Instr.
 { No. 1010, 1023. { Stem.
Bottom Reading 2:55 P.M. Cor'd Temp. 52.0
Temp. Surf. { 55.8 Time 5:52 } Air { 15.0
 { Time } { }

Density: Surf. --- fms. ---
Wind: Direction S.W. Force 2-3
Baromet. 30.06 Amt. of Clouds 7 State of Sea C
Weather fog.

Direction and Force of Current { Surface 47 rev. to 30 sec.
 { Bottom

Tide

General Locality

Position

Chart used: No. --- Ed'n ---

Drift: Direction --- Distance ---

Depth of Haul Int.

Apparatus and Rig used 4' Int. w. 2 R-th

Time towing --- h. 12 m.

Remarks: Bottom white sand.

Deck Officer W.C. Cherry

Recorder J. H. H. H.

SOUNDING WIRE.

FMS.

DREDGING CABLE.

P. M. DOWN. | UP. P. M.

P. M. DOWN. | UP. P. M.

11 57 05 | 5 04 05

4 57 - 5 06 05

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 505 Date, 30, 1912
Hydrog. }

Sdg. Mch. Reel Shot / Lead lbs.

Turns Cor'n Depth 12 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make 3 No. 1019 R. 1023 Cor'n { Instr. Stem.

Bottom Reading 55 R 55 Cor'd Temp. 54.86

Temp. Surf. { 55.9 Time 10:00 A } Air { 58 }
Time

Density: Surf. fms.

Wind: Direction 2 Force 1

Baromet. 30.18 Amt. of Clouds 7 State of Sea 0

Weather

Direction and Force of Current { Surface 4.5 R. 30 per. Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing 10 m.

Remarks: Bottom water

Deck Officer Recorder

11-1023

SOUNDING WIRE.

A. M. Down. | Up. *A.* M.

FMS.

DREDGING CABLE.

--- M. Down. | Up. --- M.

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100
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300
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500
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700
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3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Dredge } No. 516 Date, July 30, 1911
Hydrog.

Sdg. Mch. Lucas Reel 1 Shot 1 Lead 1 lbs.

Turns	Cor'n	Depth	6	fms.
1				
2				
3				
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98				
99				
100				

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. 101625 Cor'n { Instr. Stem.

Bottom Reading h 55.2 / 55.1 Cor'd Temp. 55.01

Temp. Surf. { 55.9 Time 10:24 A } Air { 57.0
Time

Density: Surf. fms.

Wind: Direction S.S.E Force 1-2

Baromet. 30.18 Amt. of Clouds 8 State of Sea S

Weather 100.00

Direction and Force of Current. { Surface
Bottom

Tide

General Locality

Position

Chart used: No. _____ Ed'n _____

Drift: Direction Unchanged Distance

Depth of Haul 215

Apparatus and Rig used

J.	Time towing	h.	} U	m.
----	-------------	----	-----	----

Remarks:

Deck Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
10 12 30	10 25 30		0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
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			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5107 Date, April 30, 1912
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot _____ Lead _____ lbs.

Turns _____ Cor'n _____ Depth 6 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
No. 101913123 Stem. _____

Bottom Reading 56.3 Cor'd Temp. 55.06

Temp. Surf. { 56.3 Time 10:52.4 } Air { 16 }
56.03 Time _____

Density: Surf. _____ fms. _____

Wind: Direction S.W. Force 2

Baromet. 30.17 Amt. of Clouds 7 State of Sea S

Weather hazy

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter

Apparatus and Rig used H. Inter & Koford

Time towing h. 01 m.

Remarks: Bottom water bottle

Deck Officer _____ Recorder _____

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M. DOWN.			UP. A. M.				M. DOWN.			UP. M.		
10	41	00	10	51	30	0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						2800						
						2900						
						3000						
						3100						
						3200						
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						4000						
						4100						
						4200						
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						4800						
						4900						

Bredge } No. 5108 Date, Apr. 30, 1912
Hydrog. }

Sdg. Mch. Lucas Reel Shot Lead 14 lbs.

Turns Cor'n Depth 4 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make n. 3 Cor'n { Instr. No. L 1019 R 1023 Stem.

Bottom Reading L 56.1 A 56° Cor'd Temp. 55.91

Temp. Surf. { 56.3 Time 11:29 A } Air { 56
56.03 Time

Density: Surf. fms.

Wind: Direction S. S. E. Force 2

Baromet. 30.17 Amt. of Clouds 5 State of Sea 3

Weather bcy

Direction and Force of Current. { Surface 36-37-40 Per 30 sec Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Underway Distance

Depth of Haul Inter

Apparatus and Rig used u' Inter: 2 Keforo

Time towing h. m.

Remarks: Pickman water bottle

Deck Officer Mr. Stanley Recorder H. W. Bide

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. DOWN.			UP.		M.		M. DOWN.			UP.		M.
11	18	00	11	28	00	0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
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						3000						
						3100						
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						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

75
8
660